

60220-1266960

Usage Scenario

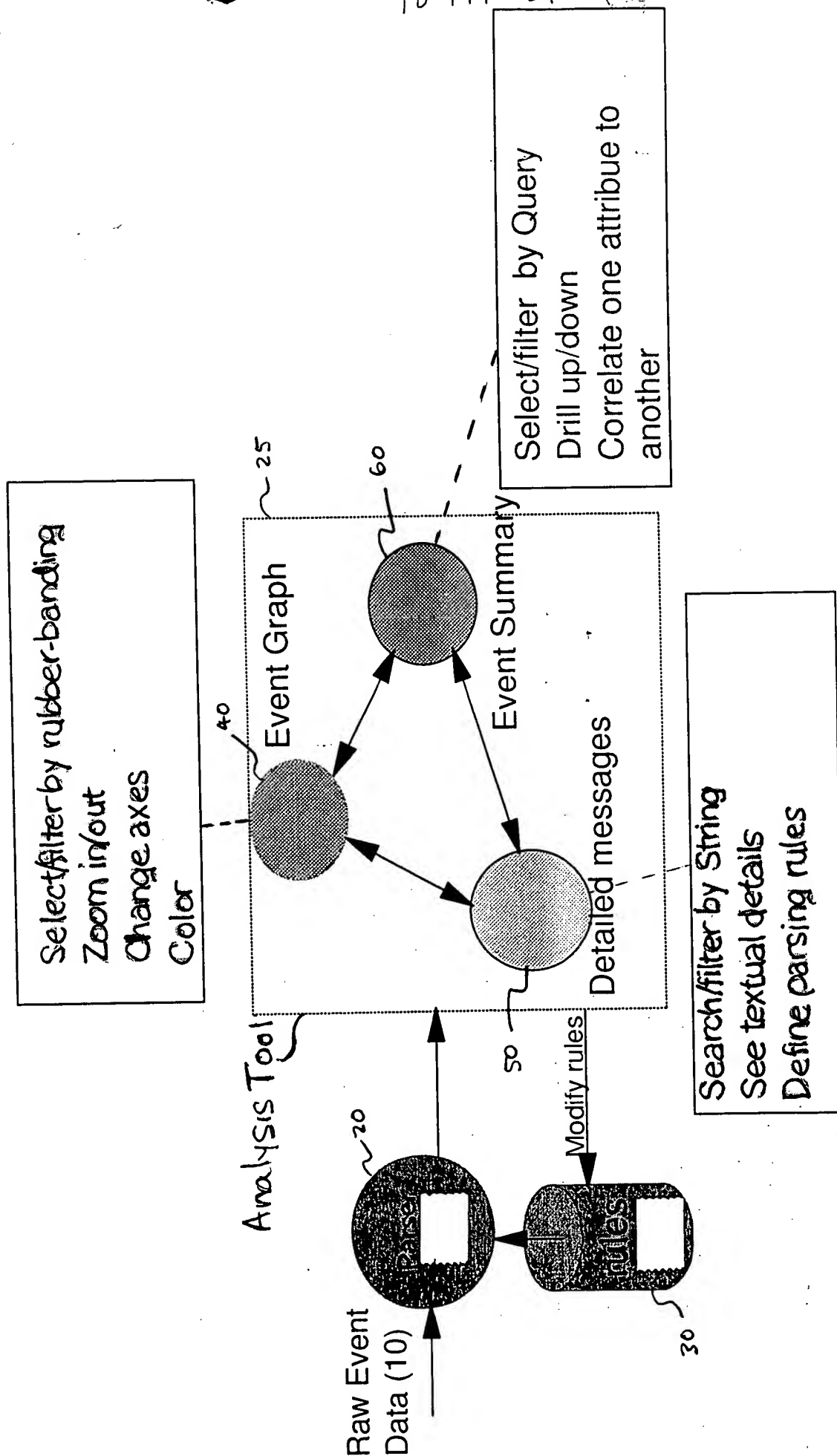


FIG. 1

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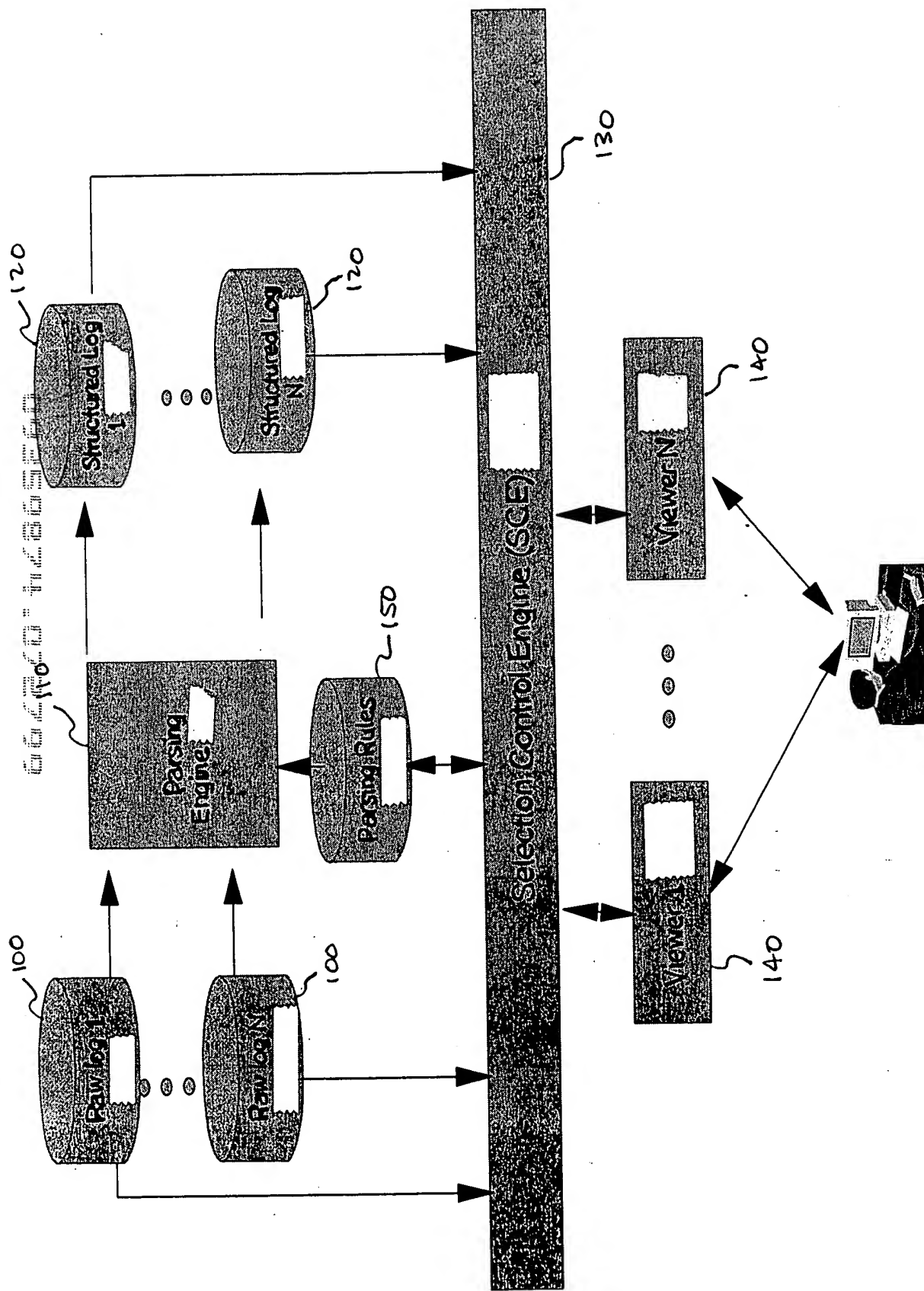


FIG. 2A

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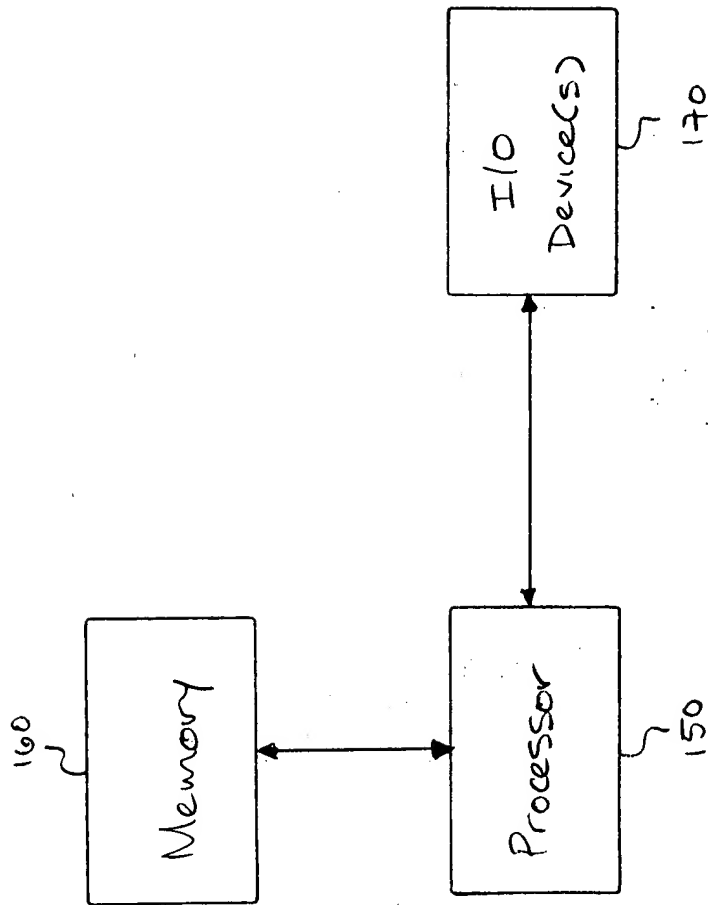


FIG. 2B

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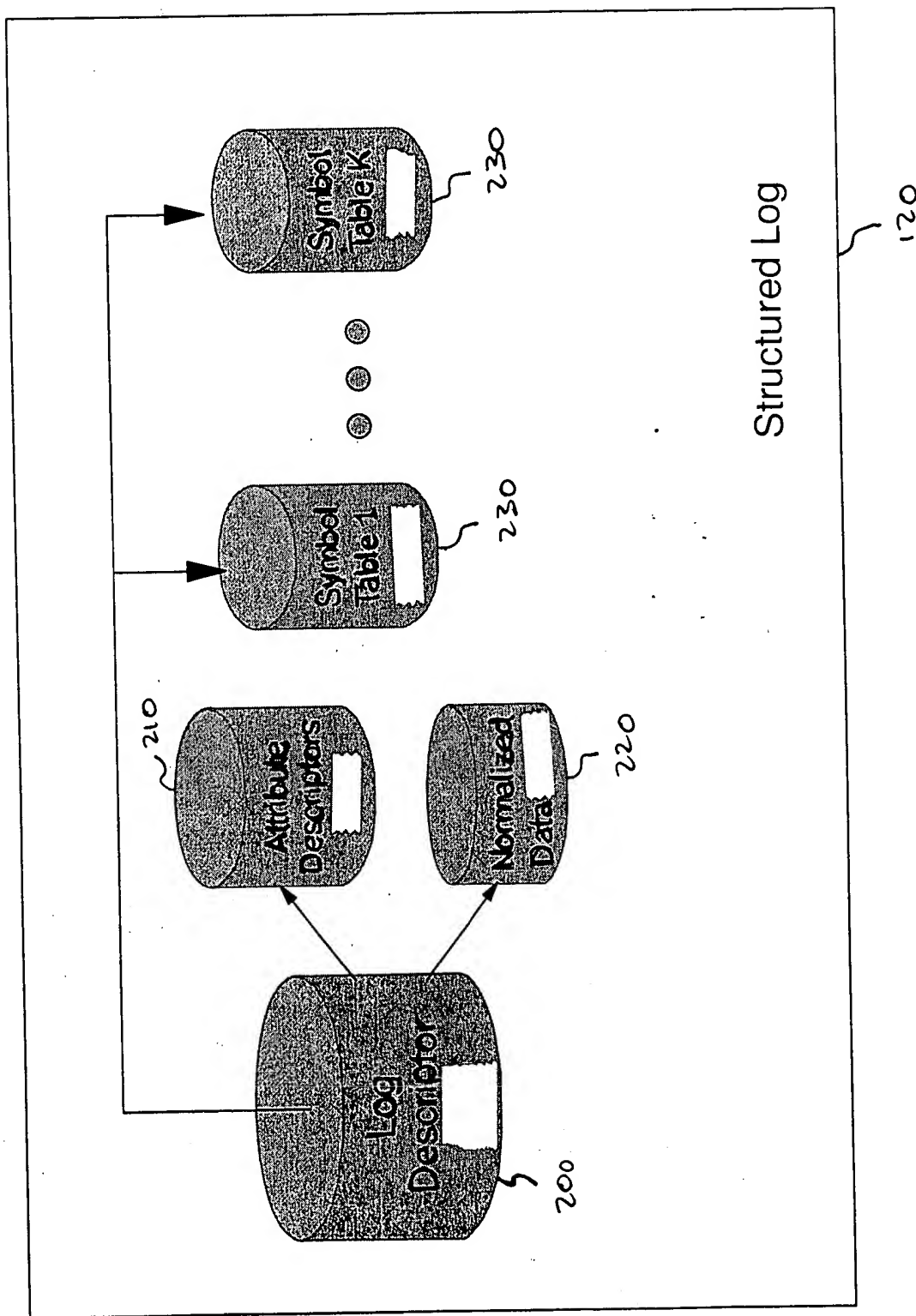


FIG. 3A

Data Formats of Structure Log 120

- Normalized Data 220
 - ▶ Message index
 - ▶ Start line
 - ▶ Number of lines
 - ▶ Index in event type symbol table
 - ▶ Event time
 - ▶ Index in event source symbol table
 - ▶ ... (other attribute values in order of the indexes of symbol tables)
- AttributeDescriptor 210
 - ▶ Attribute name
 - ▶ Symbol table index (or NULL if none)
 - ▶ Column in normalized data
- SymbolTable 230
 - ▶ Symbol index
 - ▶ Descriptive name
 - ▶ Event counts

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FIG 3B

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66260-42500

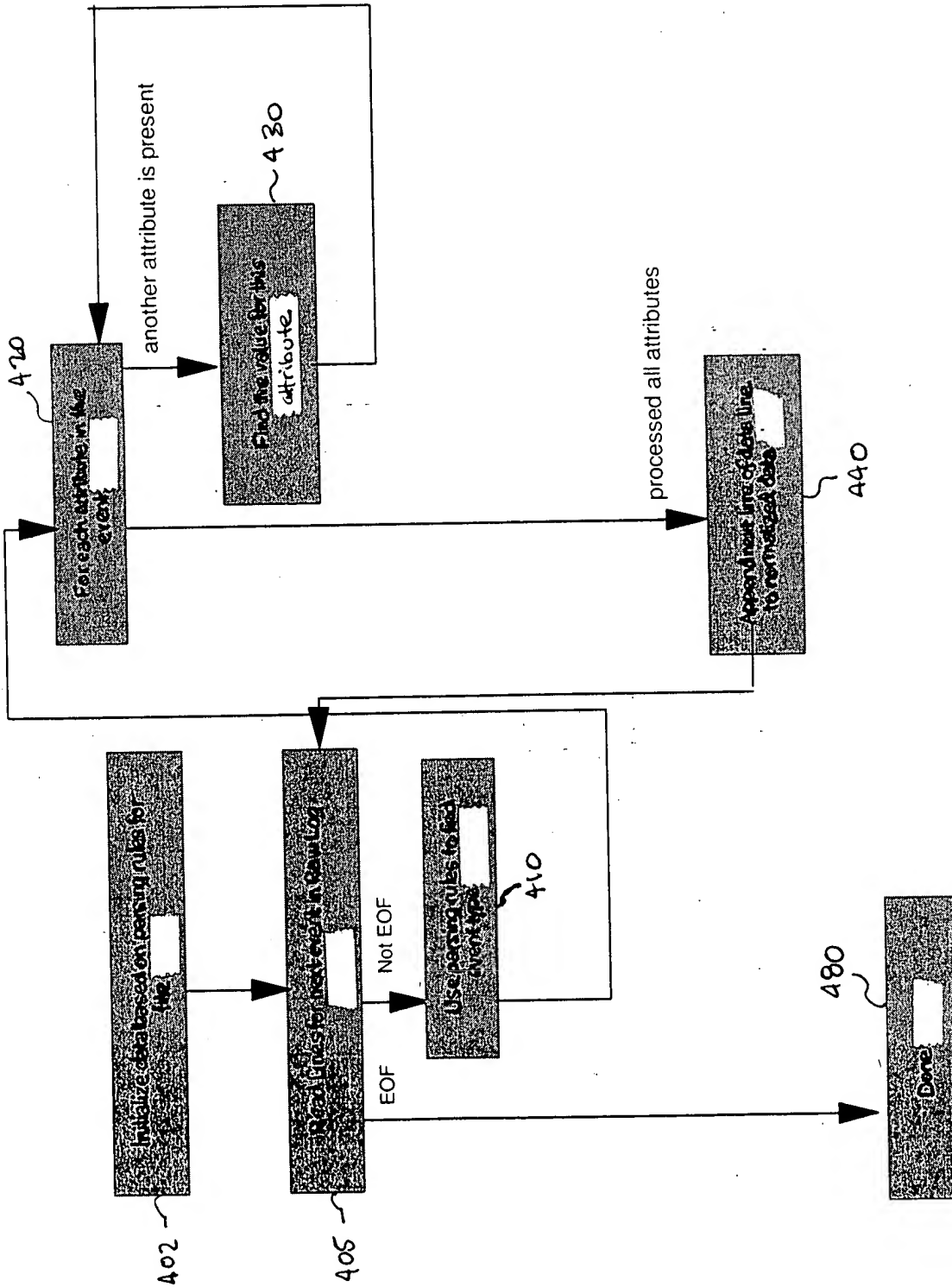


FIG. 4

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Selection Control Engine (SCE) 100

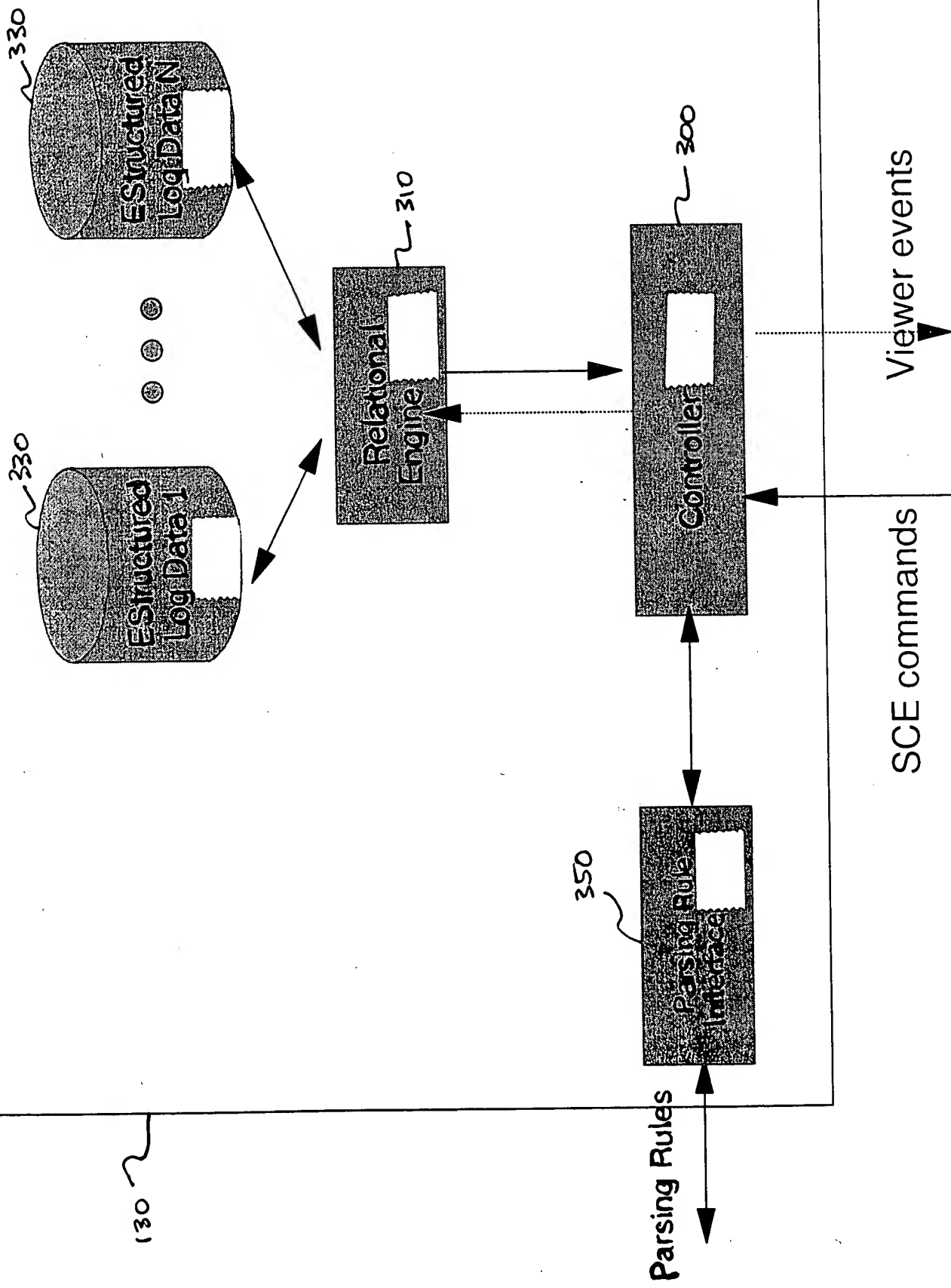


FIG. 5

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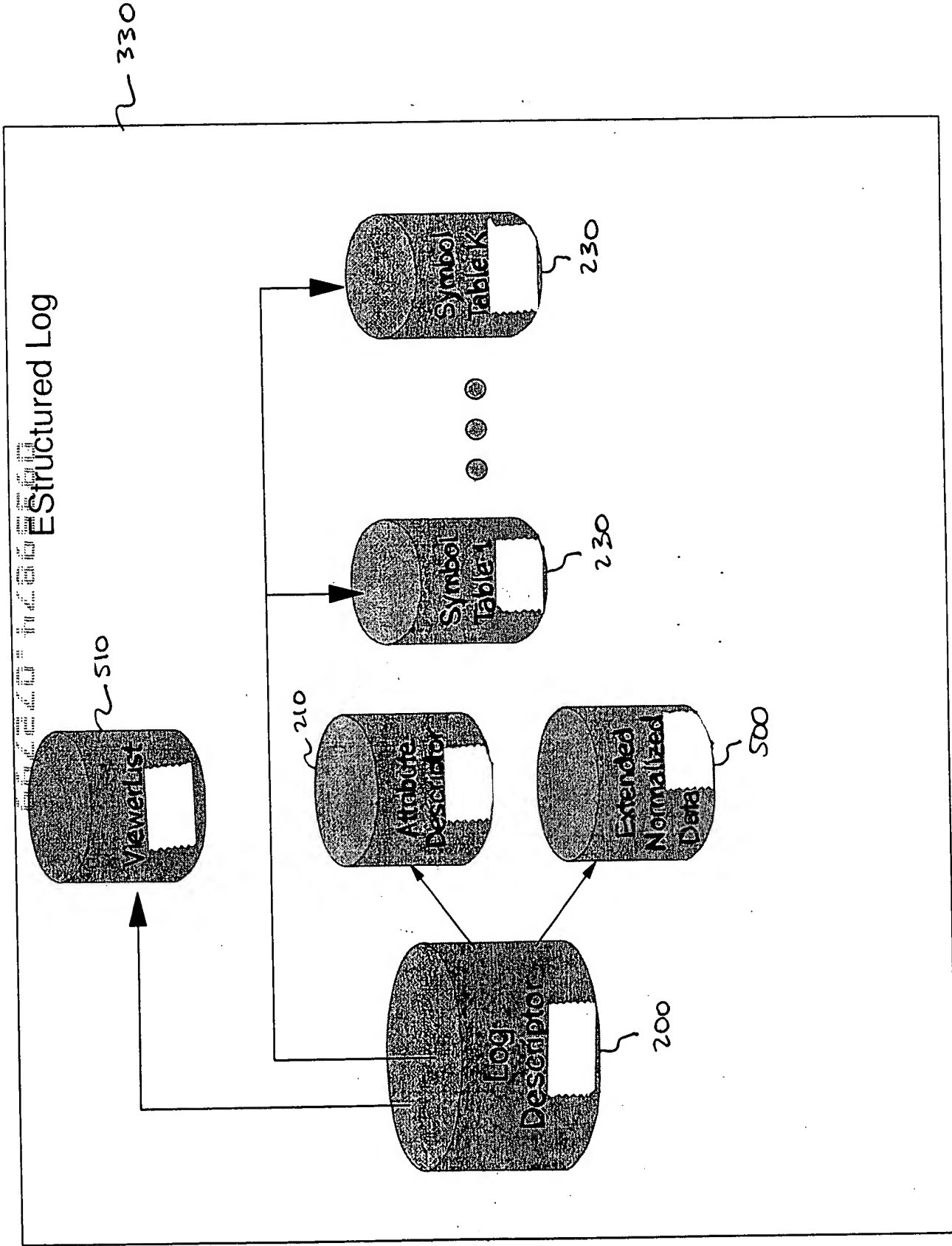


FIG. 6A

Data formats for Extended Normalized Data

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- Extended Normalized Data 500
 - ▶ Display symbol
 - ▶ Display color
 - ▶ Message index
 - ▶ Start line
 - ▶ Number of lines
 - ▶ Index in event type symbol table
 - ▶ Event time
 - ▶ Index in event source symbol table
 - ▶ ControlData
 - Display symbol/color
 - ▶ AttributeConstraint
 - ▶ ... (other attribute values in order of the indexes of symbol tables)
- AttributeConstraint 520
 - ▶ Attribute
 - ▶ Value
 - ▶ Relational operator

AB
C
D
E
F

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COMMAND	INPUTS	OUTPUTS	NOTES
CreateELog	FileName	EStructuredLog	(1)
GetAttributeList	EStructuredLog	SetOfAttribute	
GetSymbolTable	Attribute	SetOfSymbolTableEntry	
GetData	SetOfMsgID	SetOfMessage	
	SetOfAttributeConstraint	SetOfDataRow	
	EStructuredLog	SetOfControlValue	
GetDataSummary	SetOfMsgID	AttributeCount	
	SetOfAttributeConstraint		
	EStructuredLog		
GetControlData	EStructuredLog	SetOfControlData	(1)
UpdateControlData	ControlData		
	SetOfAttributeConstraint		
	EStructuredLog		
GetParsingRule	MessageID	ParsingRule	
SetParsingRule	NewParsingRule		
	OldParsingRule		
ConstrainELog	SetOfAttributeConstraint		(1)
	EStructuredLog		
UpdateViewer	SetOfViewerID		
CloneELog	EStructuredLog	EStructuredLog	(2)

Notes

- (1) - Updates all Viewers
- (2) - Creates a new EStructuredLog

FIG. 7

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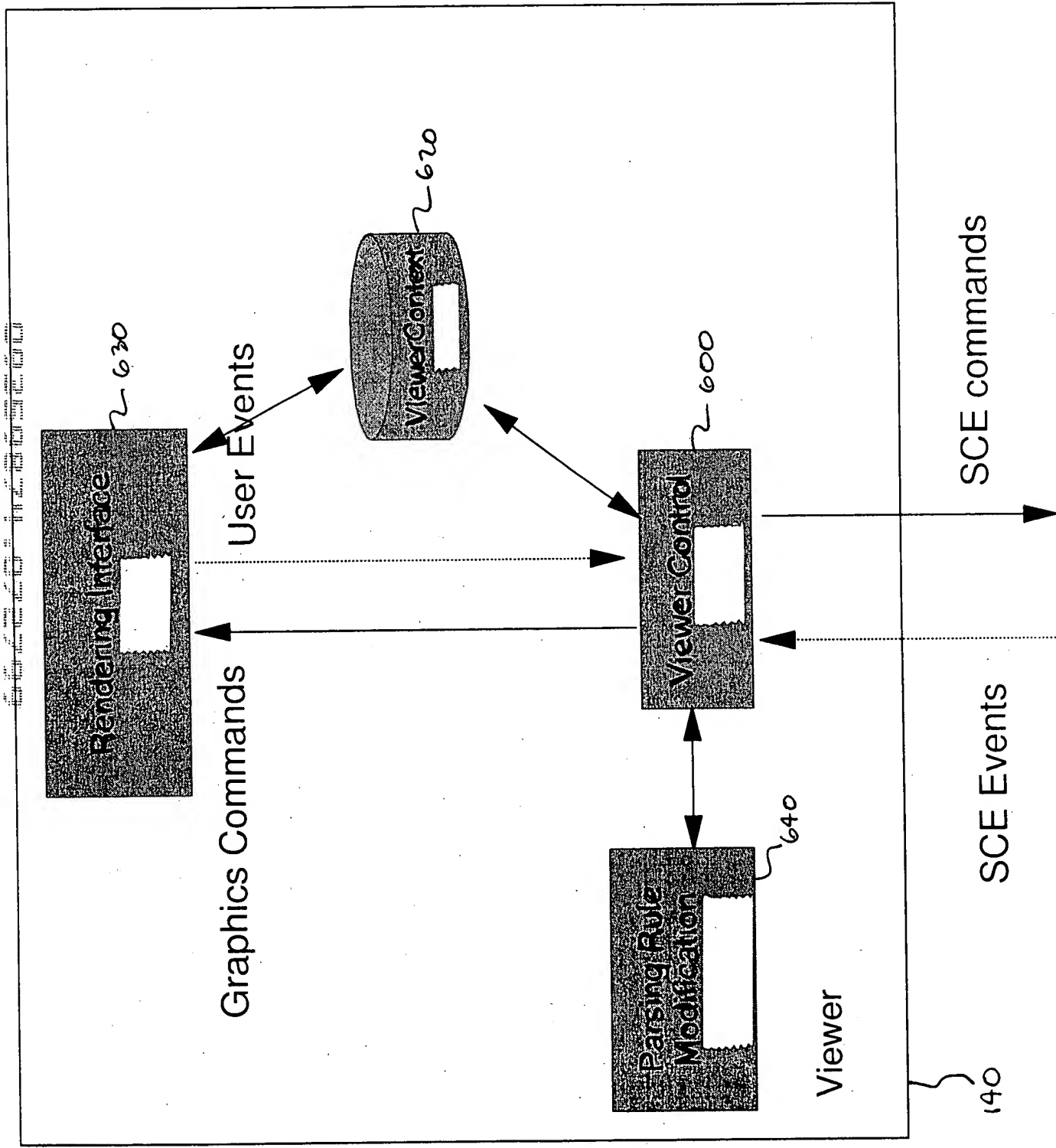


FIG 8A

[illegible]

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SelectFilterData

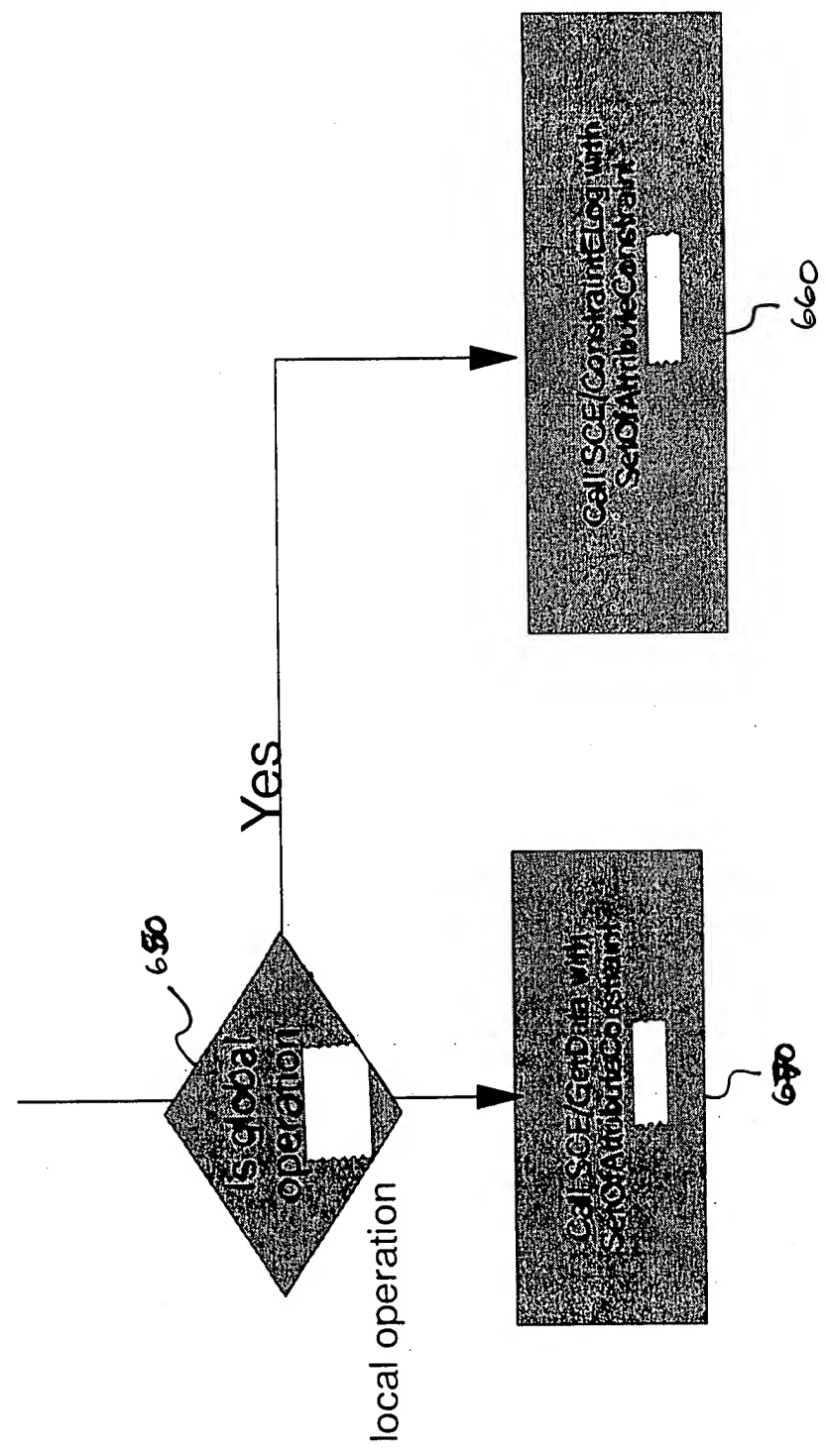


FIG. 8C

Communication events among SCE, viewer and user

Source	Target	Name	Occurrence
SCE	Viewer	Initialize	When the Viewer is initialized
SCE	Viewer	UpdateViewer	When the EStructuredLog is updated
Viewer	SCE	ConstraintELog	When a viewer performs a global selection/filtering operation
Viewer	SCE	GetData	When a viewer needs data
USER	Viewer	Button	When a Viewer button is pressed
USER	Viewer	Item	When items are selected (lists, pixels, messages, etc.)

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FIG. 9

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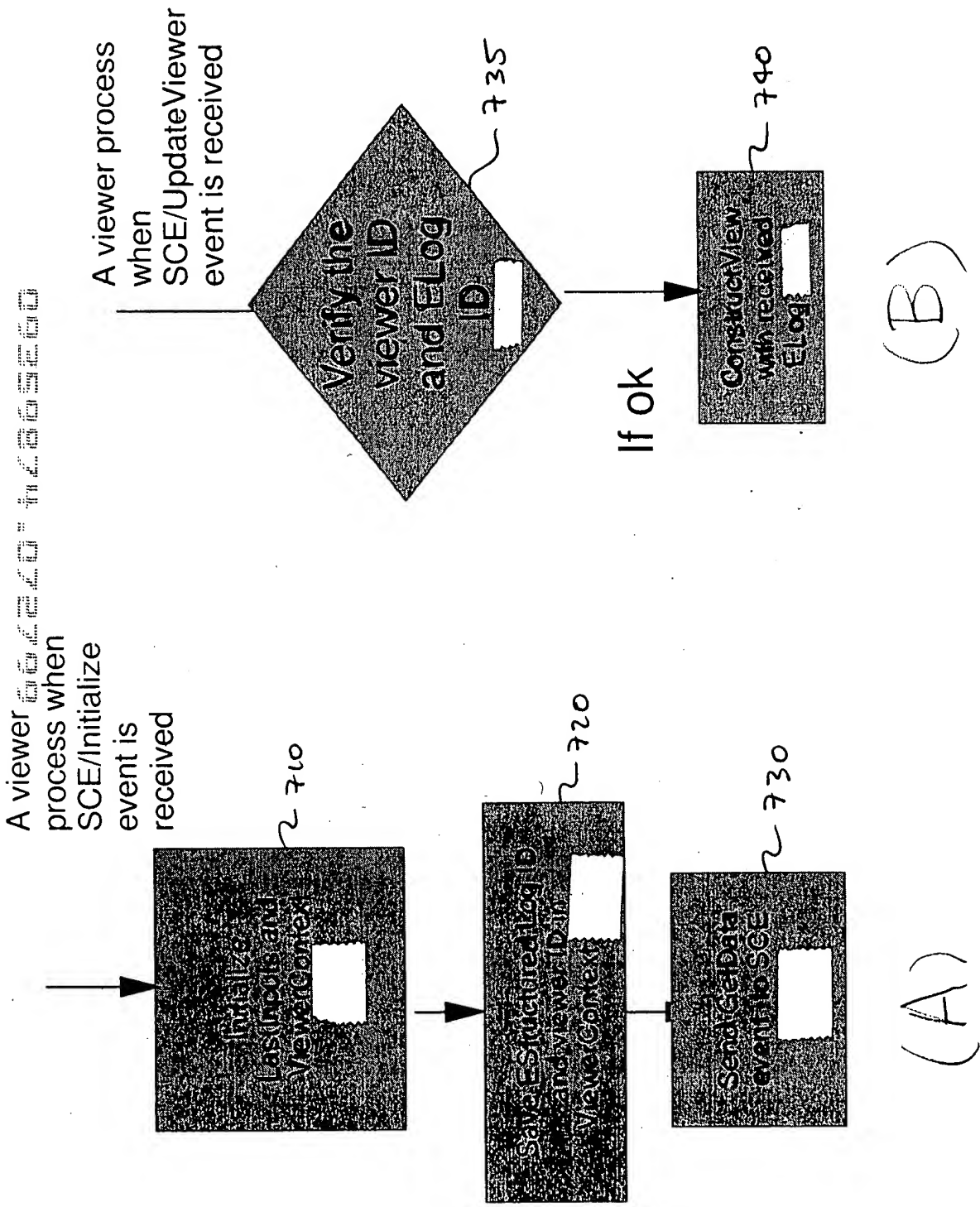


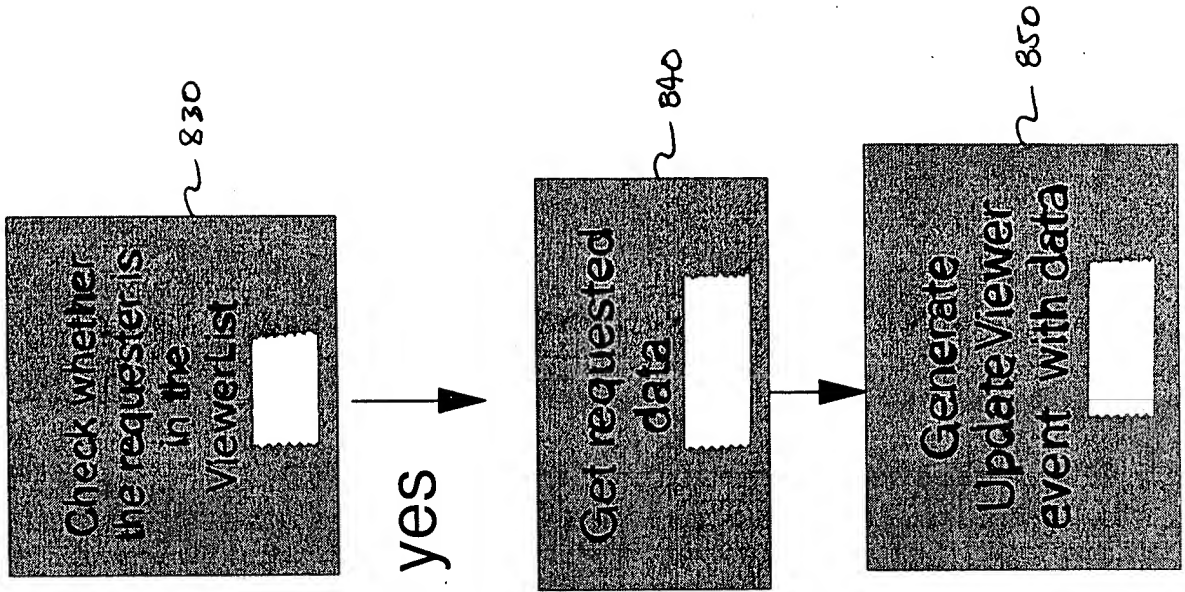
FIG. 10

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Viewer/GetData event

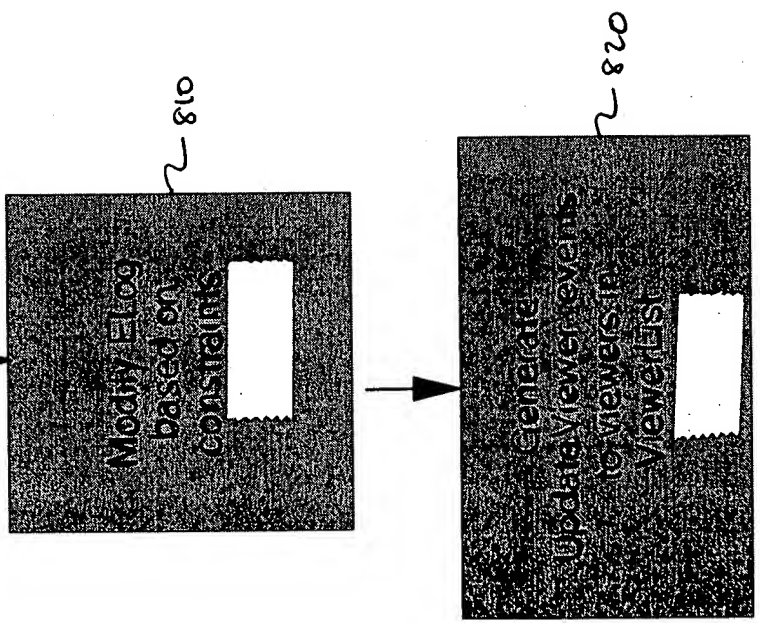
Viewer/ConstraintELog

Viewer/ConstraintELog event



(B)

Viewer/ConstraintELog event



(A)

FIG. 11

FIG. 12

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876

874

872

878

868

866

864

Index	Eventname	Frq. (10321)
1	topConnectionClose trap	1496
2	Arm threshold	2902
3	pulseXamaTime	971
4	Re-arm threshold	2898
5	Port Down	500
6	Configuration Change	35
7	Port Up	428
8	coldStart Trap	41
9	Interface down	131
10	Interface up	113
11	Interface Up	17
12	Interface Added	1
13	Duplicate IP address	96
14	Cisco_Link_Down	8
15	Cisco_Link_Up	8
16	authenticationFailure Trap	317
17	SNMP request	346
18	Failed_Login	1
19	linkDown Trap	6
20	linkUp Trap	6

Default
Blank
Red
Magenta
Cyan
Green
Blue
Black
Red+
Magenta
Cyan+
Green+
Blue+
Black+
Red*
Magenta
Cyan*
Green*
Blue*
Black*

3489
2 alsf86.watson.ibm.com
3 fireprobe.watson.ibm.com
4 yktrp02f0.watson.ibm.com
5 alsf85.watson.ibm.com
6 haw1hc10t312.watson.ibm.com
7 haw1hs07e391.watson.ibm.com
8 ykcos03.watson.ibm.com
9 tstaffs2.watson.ibm.com
10 yktrcs07.watson.ibm.com
11 yktrps31.watson.ibm.com
12 ykvnrs02.watson.ibm.com
13 hacod02s.watson.ibm.com
14 corelabs.watson.ibm.com
15 ykdls01.watson.ibm.com
16 yktrcals.watson.ibm.com
17 yktrsse01.watson.ibm.com
18 yktrps21.watson.ibm.com
19 yktrcals2.watson.ibm.com
20 yktrcals3.watson.ibm.com
21 yktrcals4.watson.ibm.com

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1
13
1
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6
2
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7
4
2
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Set Color	Global indicator
Select	Filter

Properties	Correlate

862

880

882

890

884

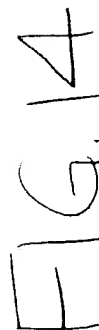
888

886

FIG. 12

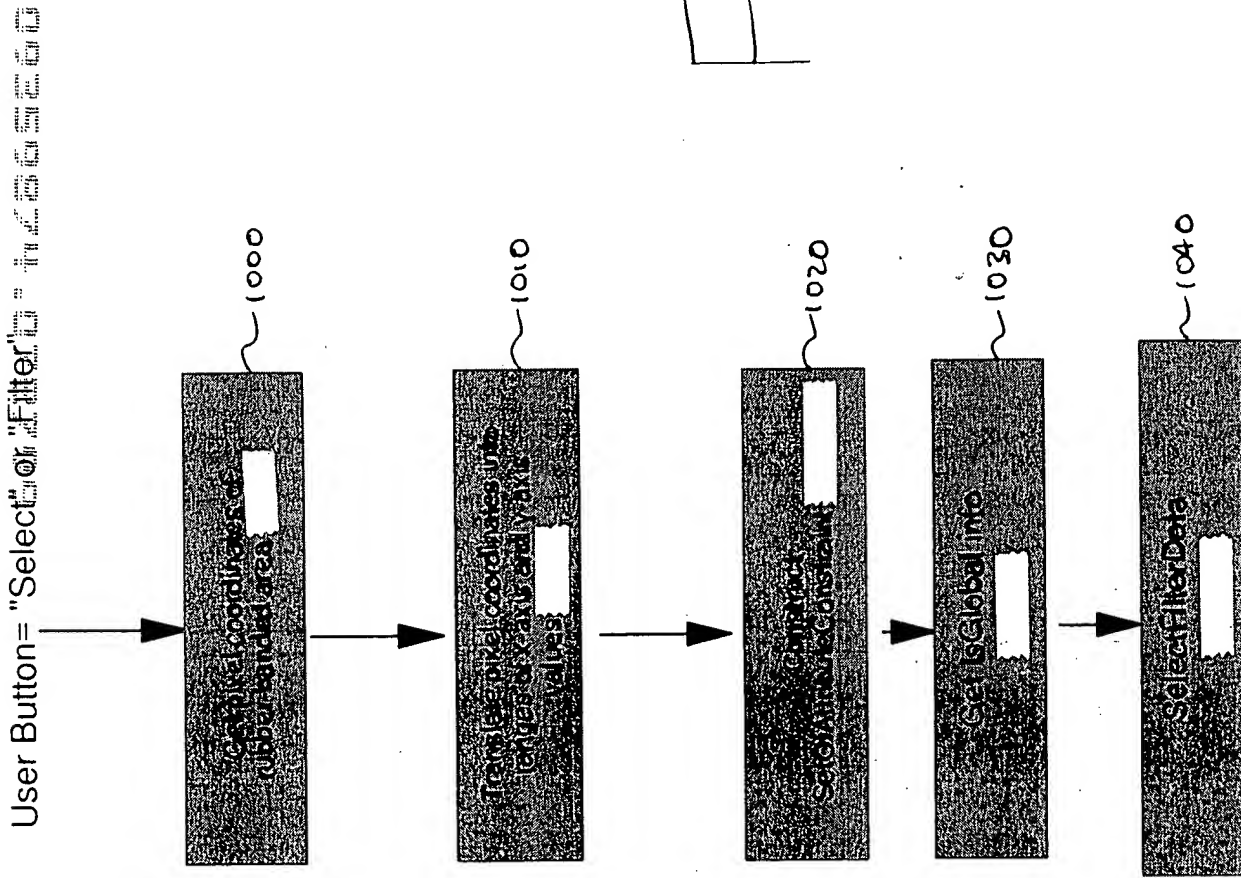
[illegible]

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G
L

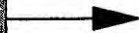
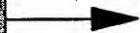
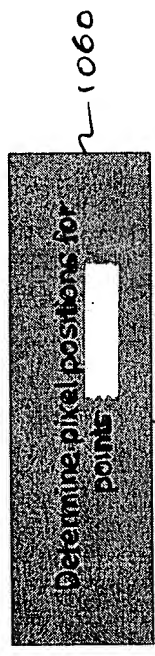
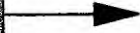


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FIG 15



Call SOE/GetData



ConstructView for PlotViewer
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FIG. 16

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Select

1094

Filter

1098

Global indicator

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Rule Edit

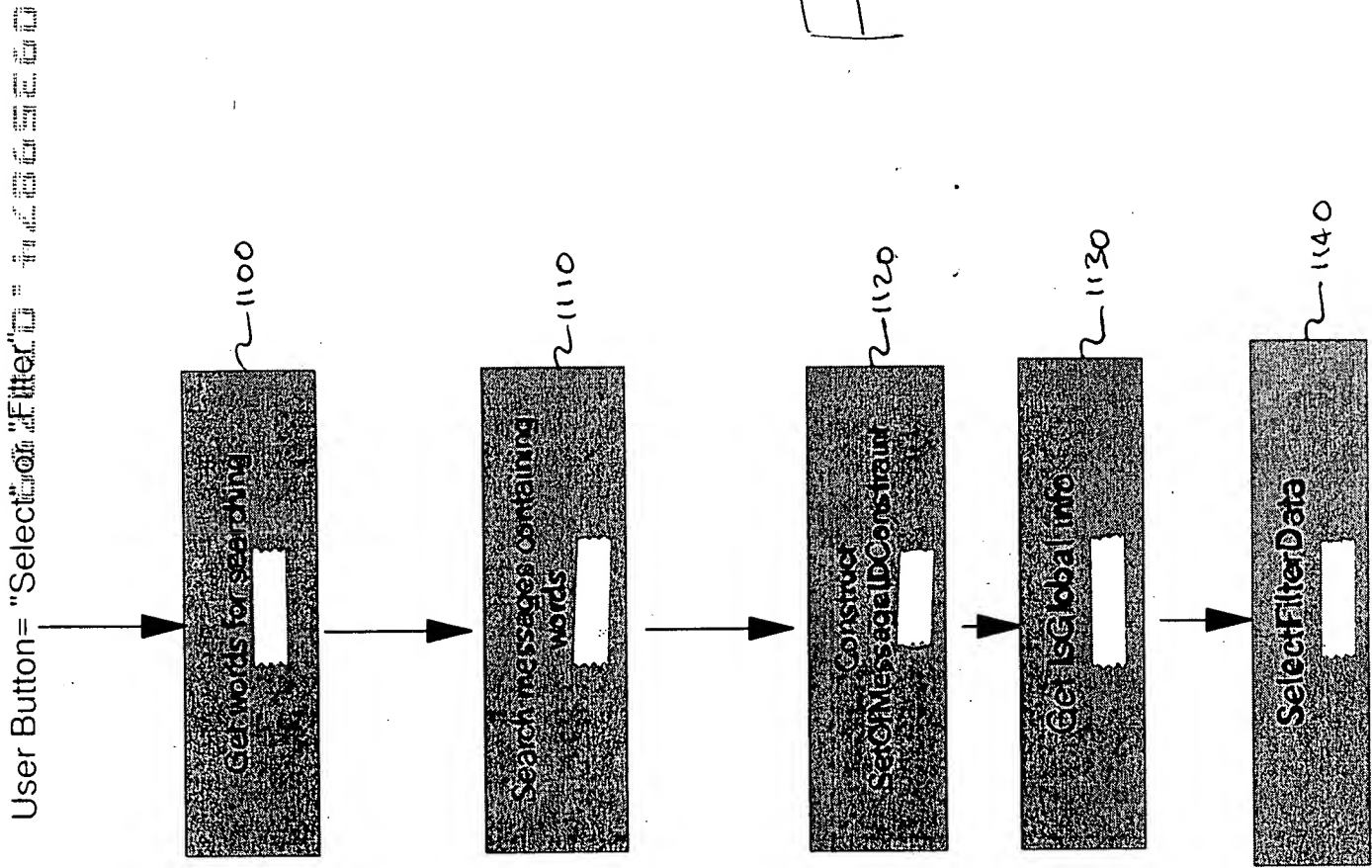
1090

c55i515.watson.ibm.com A ykthc55i515 : SNMP request done with incorrect community name from node <dsmttest.pok.ibm.
c55i515.watson.ibm.com A ykthc55i515 : SNMP request done with incorrect community name from node <dsmttest.pok.ibm.
c55i515.watson.ibm.com A ykthc55i515 : SNMP request done with incorrect community name from node <dsmttest.pok.ibm.
c55i515.watson.ibm.com A ykthc55i515 : SNMP request done with incorrect community name from node <dsmttest.pok.ibm.

FIG. 17

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FIG. 18



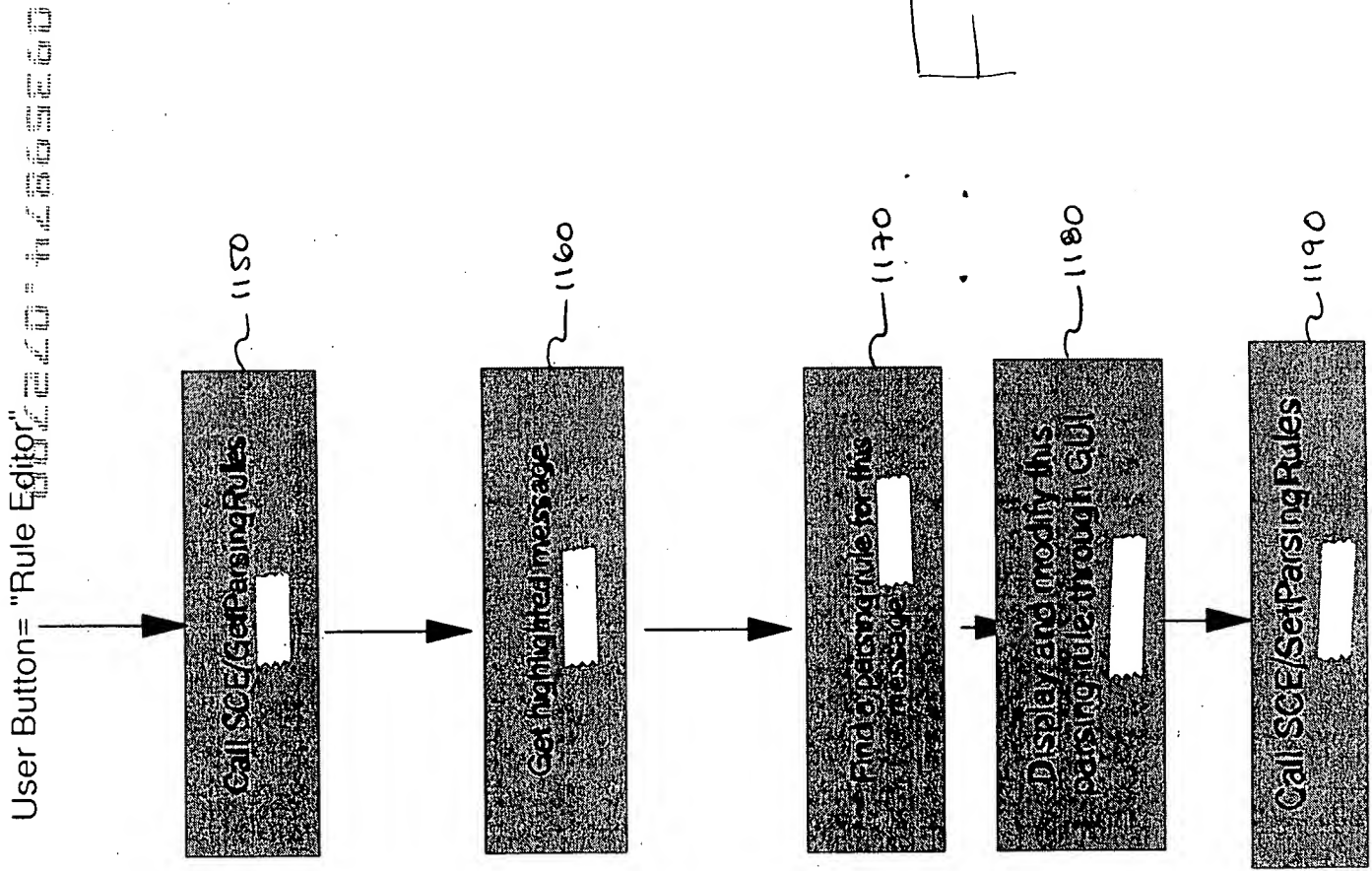
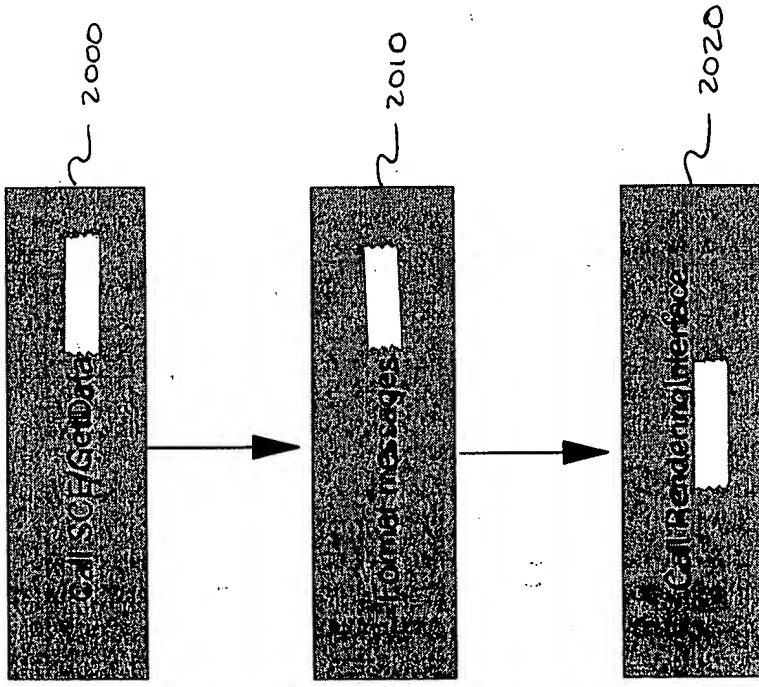


FIG. 19

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FIG. 20



ConstructView for Message Viewer
730

FIG. 20